

CATALOG

S

1940

# ELECTRICAL & RADIO SUPPLY CENTER

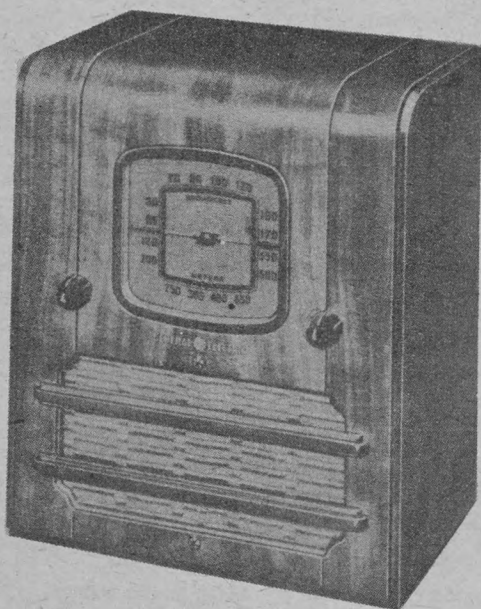
222 Portage Ave.

Syndicate Building

Winnipeg, Manitoba

Quality

GENERAL ELECTRIC



**\$2645**

**MODEL H41B**—Low price four-tube Table Model. Tuning range of 540 to 1720 kilocycles provides for all standard broadcasts and one band of police calls. Automatic volume control. Five-inch dynamic speaker. Batteries required—one 1.5-volt A1300 air cell (or one 1.5-volt dry cell) and two 45-volt "B" batteries. No "C" batteries needed. Walnut finished cabinet is  $12\frac{3}{4}$ " high,  $11\frac{3}{16}$ " wide,  $7\frac{1}{2}$ " deep.

DE LUXE TUBE TESTER



**\$3172**

Fine quality throughout, attractive appearance. You will be proud to own model 308 compared to other testers selling for considerably more.

Model 308C—Counter type, size 9x12x5 in.,  $6\frac{1}{4}$  lbs.

**PREMIER SPEAKERS**

A new type of speaker that will serve as an excellent replacement on all types of the older style radios. Three sizes available. Replace your old horn or cone speaker and hear the difference.

- PREMIER MAGNETIC SPEAKERS**
- 5 inch Speaker..... **1.95**
  - 6 inch Speaker..... **2.50**
  - 8 inch Speaker..... **3.60**

**DYNAMIC SPEAKERS**

Sturdily built and giving good tone quality, these speakers are recommended for battery sets and small AC-DC type receivers.

rugged construction. Supplied with fully Universal Output Transformer

**DYNAMIC SPEAKERS**

- 5 inch Dynamic Speaker..... **3.00**
- 6 inch Dynamic Speaker..... **3.50**
- 9 inch Dynamic Speaker..... **5.00**

**SPEED-X KEYS****\$2.21****STANDARD****\$3.45****NAVY KEY KNOBS****24c**

PER FOOT..... **2c**  
25 Foot Coil **38c**

**PUSH-BACK HOOK-UP WIRE****PHOSPHOR BRONZE DIAL CABLE**

Per foot **8c**  
Per 25 feet **\$1.85**

**DIAL DRIVE CORDS 42-STRANDED .07****R.C.A. CRYSTAL PICKUP****\$7.75**

Frequency range 70-7000 cycles  
Needle pressure 2.7 ounces.  
Brown wrinkle lacquer finish.  
Quadrates direct into grid.

**SHURE ZEPHYR PICK-UP****\$11.17****\$7.20**

**ASTATIC MODEL 0-7 STREAMLINED CRYSTAL PICK-UP**



702D

700D

701D

**\$27.60**

SHURE MODEL, 701D Grille Type satin chrome finish.  
SHURE MODEL, 700 D, Swivel Type adj. tilt head.  
SHURE MODEL 702D 8-Ball Type with non-dissectional head.

High-efficiency one-button hand microphone

**RCA Home Broad-Casting Mike**  
**\$1.76**

**ROGERS**

**GENERAL ELECTRIC**  
**MARCONI R.C. RADIOTRONS**

EFFECTIVE JULY 22, 1939 (Subject to change without notice)

Type	List	Type	List	Type	List	Type	List
<b>GLASS</b>							
00A.....	\$3.25	35A.....	1.65	6L7.....	2.00	6F5G.....	1.30
01A.....	1.15	36.....	1.55	6N7.....	2.65	6F5GT.....	1.65
01B.....	1.15	37.....	1.30	6Q7.....	1.65	6F6G.....	1.65
01C.....	1.15	38.....	1.65	6R7.....	2.00	6F8G.....	2.00
1A4(P&T).....	2.00	39/44.....	1.65	6S7.....	2.65	6G6G.....	2.65
1B4(P&T).....	2.65	40.....	2.00	6SA7.....	1.65	6H6G.....	1.65
1B5/25G.....	1.65	41.....	1.30	6SC7.....	1.65	6J5G.....	1.65
1C6.....	2.00	42.....	1.30	6SF5.....	1.65	6J5GT.....	1.65
1F4.....	2.00	43.....	1.65	6SJ7.....	1.65	6J7G.....	1.65
1F5.....	2.65	44.....	2.00	6SQ7.....	1.65	6J7GT.....	1.65
1J1.....	2.00	45.....	2.00	6SV6.....	1.65	6K6G.....	1.65
1V.....	1.6	46.....	1.65	6V6.....	2.65	6K6GT.....	1.65
2A3.....	3.35	47.....	1.65	6X5.....	2.00	6K7G.....	1.65
2A5.....	1.65	48.....	5.35	12C8.....	2.65	6K7GT.....	1.65
2A6.....	1.65	49.....	1.65	12SA7.....	2.00	6K8G.....	2.60
2A7.....	2.00	50.....	4.00	12SC7.....	2.00	6L5G.....	2.65
2B6.....	3.35	51.....	2.00	12SK7.....	1.65	6L6G.....	2.65
2B7.....	2.00	52.....	1.30	12SQ7.....	1.65	6L7G.....	2.00
2E5.....	2.00	53.....	1.30	25A6.....	2.65	6N6G.....	3.35
5Z3.....	1.65	54.....	1.65	25B6.....	2.00	6N7G.....	2.00
6A3.....	2.65	55.....	1.20	25C6.....	1.65	6P7G.....	3.00
6A4.....	2.00	56.....	1.65	6Q7G.....	1.65	6Q7GT.....	1.65
6A6.....	2.00	57.....	1.30	6R7G.....	1.65	6R7GT.....	1.65
6A7.....	1.65	58.....	1.30	6S7G.....	2.65	6T7G.....	2.65
6AB5.....	2.45	59.....	2.65	6T7GT.....	2.65	6U7G.....	1.65
6B5.....	3.35	60.....	1.65	6V6G.....	2.00	6V7G.....	2.00
6B7.....	2.00	61.....	1.65	6W6G.....	2.65	6W7G.....	2.00
6C6.....	1.30	62.....	1.65	6X5G.....	2.00	6Y6G.....	2.65
6C7.....	2.65	63.....	1.65	6Y7G.....	2.00	6Z7G.....	2.65
6D6.....	1.30	64.....	1.65	6Z7GT.....	1.65	6Z7GT.....	1.65
6E5.....	1.00	65.....	1.65	6Z8GT.....	1.65	12J7GT.....	2.00
6E6.....	2.65	66.....	1.65	12K7GT.....	1.65	12K7GT.....	1.65
6E7.....	1.65	67.....	1.65	12Q7GT.....	1.65	12Q7GT.....	1.65
6G5.....	2.00	68.....	1.65	25A6G.....	1.65	25A7G.....	1.65
6H5.....	1.65	69.....	1.65	25B6G.....	2.65	25L6G.....	2.00
6I5.....	1.65	70.....	1.65	25L6GT.....	2.00	25L6GT.....	2.00
6J5.....	1.65	71.....	1.65	25N6G.....	3.00	25N6G.....	3.00
6K5.....	1.65	72.....	1.65	25Z6G.....	1.65	25Z6GT.....	1.65
6L5.....	1.65	73.....	1.65	35L6GT.....	2.00	35L6GT.....	2.00
6M5.....	1.65	74.....	1.65	35Z4GT.....	1.65	35Z4GT.....	1.65
6N5.....	1.65	75.....	1.65	35Z5GT.....	1.65	35Z5GT.....	1.65
6O5.....	1.65	76.....	1.65	<b>LOCAL</b>			
6P5.....	1.65	77.....	1.65	7A6.....	\$2.00	7A6.....	\$2.00
6Q5.....	1.65	78.....	1.65	7A7.....	2.00	7A7.....	2.00
6R5.....	1.65	79.....	1.65	7B3.....	2.00	7B3.....	2.00
6S5.....	1.65	80.....	1.65	7B6.....	2.00	7B6.....	2.00
6T5.....	1.65	81.....	1.65	7B8.....	2.00	7B8.....	2.00
6U5.....	1.65	82.....	1.65	7Y4.....	2.00	7Y4.....	2.00
6V5.....	1.65	83.....	1.65	<b>METAL</b>			
6W5.....	1.65	84.....	1.65	0Z4.....	\$2.00	0Z4.....	\$2.00
6X5.....	1.65	85.....	1.65	5T4.....	2.65	5T4.....	2.65
6Y5.....	1.65	86.....	1.65	5W4.....	1.65	5W4.....	1.65
6Z5.....	1.65	87.....	1.65	5Z4.....	2.65	5Z4.....	2.65
7A.....	1.65	88.....	1.65	6A8.....	2.00	6A8.....	2.00
7B.....	1.65	89.....	1.65	6B8.....	2.65	6B8.....	2.65
7C.....	1.65	90.....	1.65	6C5.....	1.65	6C5.....	1.65
7D.....	1.65	91.....	1.65	6F5.....	1.65	6F5.....	1.65
7E.....	1.65	92.....	1.65	6H6.....	1.65	6H6.....	1.65
7F.....	1.65	93.....	1.65	6J5.....	1.65	6J5.....	1.65
7G.....	1.65	94.....	1.65	6K7.....	1.65	6K7.....	1.65
7H.....	1.65	95.....	1.65	6K8.....	2.00	6K8.....	2.00
7I.....	1.65	96.....	1.65	6L6.....	3.00	6L6.....	3.00

Radiotrons are guaranteed to be free from defects in material and workmanship. Should such defects become apparent under normal use of the tubes in a radio receiving set within 3 months from the date of purchase the dealer from whom purchased will effect the necessary replacement.

**IMPORTANT!!** All orders shipped within 24 hours if possible. On C.O.D. orders 25% cash deposit required. All remittances must include sufficient amount to cover postage, otherwise orders will be shipped express collect. Any unused postage will be credited to your account. **NOTICE--**We are representatives of most nationally advertised radio products. If you don't find what you want listed in this catalogue write us immediately as we no doubt have it in stock, or will get it for you, and save you money. All indications point to increased prices in all commodities. All our prices are subject to change without notice. Take advantage of our present low prices and send in your order now!!



## AERIAL EQUIPMENT

No. 30—Aerial Insulator .....	\$ .05
No. 31—Aeroplane or Strain Insulator .....	.10
No. 32—Stand-off Insulator .....	.07
No. 33—Nail Knobs .....	.04

## Economy Aerial Kit

Contains 90 ft. 7/27 stranded wire, 25 ft. rubber-covered lead-in, lead-in strip, ground clamp, two nail knobs and two porcelain insulators. The lowest price kit on the market, made up of first quality materials. Complete with instructions.

**\$1.18**

## WINDOW LEAD-IN

Fits between sash and sill. Fa-henstock connector on each end. Duco insulated braid.

**9c**

## RUBBER COVERED LEAD-IN WIRE

Standard Aerial Kit **\$1.47**

75 ft. 7x22 stranded aerial wire.  
50 ft. rubber covered lead-in wire.  
2 antenna insulators.  
1 entrance insulator and 1 lead-in strip  
1 ground clamp.  
1 approved lightning arrester.  
2 screw eyes.

104—Complete in a box with instructions.

## Stranded Wire

Stranded No. 18 rubber-covered lead-in wire. Flexible and easy to work. Per foot, ....

**1½c**

## ANTENNA WIRE FOR ALL AERIALS

Per 100 Ft.

STRANDED BARE **66c**

7 STRANDS No. 22

STRANDED ENAMELED

7 STRANDS No. 22

**.85**

SOLID ENAMELED

**.88c**

## R. F. CHOKE COILS

Low loss, 2½ M.H.—Wound on Isolantite Forms.

**28c**

## Radio Frequency Chokes

**21°**2½ M.H.  
35-M.H.

## Pie-Wound R. F. Chokes

For use in hi-frequency receivers and low-powered transmitters. On Ceramitepool.



Milli-henrys	Your Cost
2.5	\$0 .54
5.5	.75
10	.85
60	.88



## SHIELDED AND UNSHIELDED R. F. CHOKES

For use as replacements or in new set circuits. Unshielded chokes are lattice wound on insulated cores and have lug terminals. Shielded chokes are housed in cans and have leads that can be brought out from top or bottom. Size of can: 1½" by 1".



Unshielded Chokes



Shielded Chokes

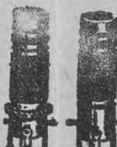
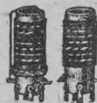
Milli-hen.	
2.5	.60
5.5	.65
10	.70
16	.75
30	.80
60	.85
80	.90

—Shielded R.F. or Ant. Coils .90  
—Unshield R.F. or Ant. Coils 60

## UNSHIELDED TYPE

## HIGH GAIN T.R.F. COILS

Bank wound with Litz wire, permitting unusual sensitivity and uniform gain over entire wave band. Round shielding can 2½ in. high, 1½ in. diameter. Use with 370 mmf. condenser. Covers 1760 to 540 KC. Low impedance primaries.

**FULLY SHIELDED**

## LIGHTNING ARRESTERS

**21°**

Arrester for Doublets

**41°**

## Special Ground Clamp

Makes a vise-like grip on pipe. Sharp-pointed screw penetrates paint and rust and makes perfect contact with clean metal. Has nut on screw.

**5c****5c**

—Intermed. Frequency Coils

—175 Kc., 465 Kc., 456 Kc.... 1.25

—Iron Core Intermed. Coils 2.25

## FERROCART IRON CORE I. F.'S

Freq.  
175 KC  
456 KO  
1500KC

## SHIELDED I. F. TRANSFORMERS

262- or 456-465 KC.

**\$1.03**

These transformers are Double Tuned, high gain, very selective and peak very easily



## COPPER SHIELDED 175 KILOCYCLE IF TRANSFORMERS

**78°**

## MILLER

AIR CORE I.F. TRANSFORMERS  
Mica Compression Type

2.25

IRON CORE I.F. TRANSFORMERS  
Mica Compression Type

2.80

## HAMMARLUND INTERMEDIATE FREQUENCY TRANSFORMERS

Type ST

Aluminum shield cans measure 2½" outside diameter by 3½" high. Mounting is by means of threaded lugs on 2" centres. Transformers are individually packed with screen grid cap and mounting nuts.



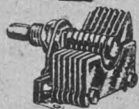
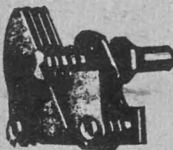
465 K.C.  
175 K.C.  
465 K.C.  
(centre-tapped)  
175 K.C.  
(centre-tapped)

**1.65**

## MIDGET VARIABLE

<b>CONDENSERS</b>	-3 Plate, 15 mmf Midget Condenser	.65
	-5 Plate 30 mmf Midget Condenser	.70
	-7 Plate, 45 mmf Midget Condenser	.85
	-9 Plate, 50 mmf Midget Condenser	.95
	-14 Plate, 100 mmf or .0001 Condenser	1.05
	-23 Plate 140 mmf or .00014 Condenser	1.15

DOUBLE-SPACED MIDGETS 1.18



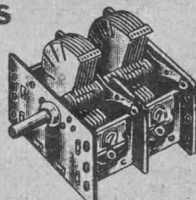
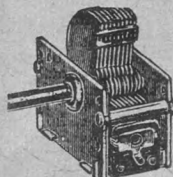
## GANG CONDENSERS

Gangs  
1  
2  
3

\$1.20

\$1.50

\$1.88

TRIMMER CONDENSER  
5-15 MMFDS.

18c



MMF		MMF
20-90	.47	35-120
50-180		80-225
100-300		210-390
170-410		350-600
200-600	.68	395-735
300-675		520-960
325-850		



-40-70 mmf Trimmer Cond.	.45
-60-140 mmf Trimmer Cond.	.55
-60-220 mmf Trimmer Cond.	.65
-300-600 mmf Trim. Cond.	.80

Low Voltage By Pass Condensers  
TUBULAR ELECTROLYTICS

6 mfd.	25v	...25¢
10 "	75v	...25
12 "	25v	...25
25 "	25v	...30
25 "	75v	...35
50 "	12v	...30
50 "	25v	...39
50 "	50v	...42
4 "	250v	...30
8 "	250v	...35
8 "	150v	...25
25 "	100v	...39
50 "	100v	...49



## DRY ELECTROLYTICS

Cap. Volt. Price

4 mfd.	600v	1.80
8 "	"	2.50
4 "	475v	1.19
8 "	"	1.45
4 "	450v	.95
8 "	"	1.05
16 "	"	1.50
12 "	"	1.40

4-4 mfd.	1.30
4-8 "	1.45
8-8 "	1.75
4-4-4	2.25
8-8-8	2.70

Cardboard

Metal Can  
Units

## PAPER TUBULARS

Non-inductively wound,  
and wax-impregnated.

400-VOLT

1000v test...400v Wkg.

Up to .025 mfd.	12¢
.03	12
.04	12
.05	14
.1	15
.25	18
.5	22
1.	39

2000v test...600v Wkg.

Up to .006mfd....10¢

.01	10
.02	12
.025	12
.03-04	15
.05	17
.1	19
.25	22

CARDBOARD TUBULARS  
dry electrolytic

2 mfd.	450v	35¢
4 "	"	39
8 "	"	53
16 "	"	89





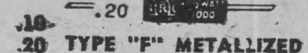
## RESISTORS



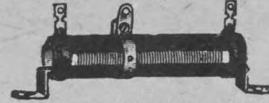
2WATT STANDARD CARBON

1 watt Resistors .....  
 2 watt Resistors .....  
 Resistor Kit of 15 1-watt  
 Resistors .....  
 Resistor Kit of 15 2-watt  
 Resistors .....  
 Resistors .....

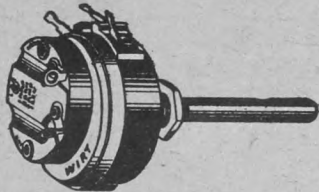
## TYPE "BT"



## WIRE-WOUND RESISTORS



25 WATTS	\$1.10	\$1.40
50 WATTS	\$1.75	\$2.20
75 WATTS	\$2.25	\$2.90
100 WATTS	\$2.60	\$2.90 - \$3.60
10 WATTS	\$0.75	



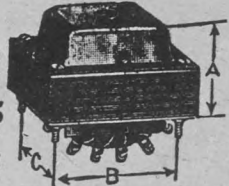
-Wirt Volume Control, any  
 standard value from 1000  
 ohms to 3 megohms.....  
 Wirt Switches .....

Wirt Controls are 1½ inch in diameter.  
 The depth is 11/16 inch. Depth with  
 switch 15/16. Shaft ¼ inch 17/18 inch  
 long from end of bushing milled. Bushing  
 ⅜ inch.

When ordering volume controls tell us the  
 make of your radio and what model num-  
 ber the radio has.

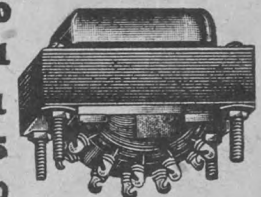
## Half-Shell TRANSFORMER

50 Mill. 2.5 V. 5 V. 600 V. C.T.	2.21
50 Mill. 6.3 V. 5 V. 600 V. C.T.	
70 Mill. 2.5 V. 5 V. 650 V. C.T.	2.75
70 Mill. 6.3 V. 5 V. 650 V. C.T.	
90 Mill. 2.5 V. 5 V. 700 V. C.T.	3.15
90 Mill. 6.3 V. 5 V. 700 V. C.T.	



## POWER TRANSFORMERS

Primary: 115 V. at 50/60 cycles. Sec.: 700 V. at 90 M.A.—C.T.; 2.5 V. at 10.5 A.; 2.5 V. at 4 A.—C.T.; 5 V. at 3 A.	\$4.50
Primary: 115 V. at 50/60 cycles. Sec.: 700 V. at 75 M.A.—C.T.; 6.3 V. at 3.2 A.—C.T.; 5 V. at 3 A.	\$4.41
Primary: 115 V. at 50/60 cycles. Sec.: 700 V. at 70 M.A.—C.T.; 2.5 V. at 3.5 A.—C.T.; 5 V. at 3 A.; 2.5 V. at 7.5 A.	\$4.41
Primary: 115 V. at 50/60 cycles. Sec.: 650 V. at 40 M.A.—C.T.; 2.5 V. at 3.75 A.—C.T.; 5 V. at 2 A.	\$2.15
Primary: 115 V. at 50/60 cycles. Sec.: 650 V. at 40 M.A.—C.T.; 6.3 V. at 1.6 A.—C.T.; 5 V. at 2 A.	\$2.20



## MAGNET WIRE

Prices subject to  
 change without notice

## DOUBLE COTTON

Size	¼ lb.	Your Cost
16		\$ .20
18		.24
20		.25
22		.30
24		.34
26		.35
28		.45
30		.55
32		.67
34		.85
36		1.09

## PLAIN ENAMEL

Size	¼ lb.	Your Cost
16		\$ .20
18		.20
20		.24
22		.24
24		.24
26		.25
28		.27
30		.30
32		.32
34		.36
36		.39
40		.46

111—A 3 to 1 full-size straight  
 audio at a very popular price.  
 Vacuum impregnated, precision-  
 wound coils. 29 gauge audio  
 steel core ¾ x ¾ in. are features  
 of this widely used audio 1.25  
 Mounting L. Weight 1 lb.

108—Midget Audio for Small  
 Sets. Plate to single grid. Ratio  
 1:2. ¾ x ¾ in. core. 1.10

109—Same construction as 108.  
 Has plate to P.P. grids. Ratio  
 1:2. ¾ x ¾ in. core. 1.20

112—Push-Pull Input. Overall  
 ratio 3½:1. Highest quality  
 coils. 29 gauge audio steel core  
 ¾ x ¾ in. Leads 6" long, plainly  
 stamped. Total turns 11,450.  
 Pri. resistance 825 ohms. Sec.  
 3,500 ohms. Mtg. M. Weight 1  
 lb. 1.50

114—Universal Mtg. Push-Pull  
 input or straight audio. Ratio  
 1:3½. Marked soldering lugs  
 and leads provided. Core of 29  
 gauge audio steel ¾ x ¾ in. Mtg.  
 O. Weight 1 lb. 1 oz. 1.80

127—P.P. Pentode Output. For  
 coupling P.P. 33, 42, 47, 2A5,  
 6F6, etc., to voice coil. Second-  
 ary tapped for 1 to 2 ohms, 3 to  
 4 ohms, and 5 to 10 ohms.  
 Direction sheet enclosed. Core  
 ¾ x 1 in. Mtg. N. Weight 1 lb.  
 3 oz. 2.25

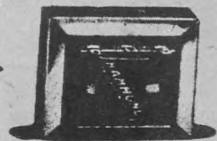
## Hammond

## AUDIO TRANSFORMERS

118—A real high quality univer-  
 sal audio. Has four separate  
 balanced windings and may be  
 used as a straight 2:1 or 4:1  
 audio. Push-Pull input, or P.P.  
 Plates to P.P. Grids. Also ideal  
 for coupling power detector to  
 P.P. grids. Core 1x1 in. Mtg.  
 similar to L Mtg. Centres 3½".  
 Weight 2¼ lbs. 4.00

125—Universal Output. Couples  
 single or P.P. Triodes or single  
 Pentode to voice coil. Taps at .8,  
 3 and 7 ohms. Core ¾ x ¾ in.  
 Insulated leads. Mtg. L. Weight 1 lb  
 1.80

126—Universal Output. For  
 coupling single or P.P. 45, 71,  
 31, etc., or single 33, 42, 47,  
 2A5, etc., to voice coil. Output  
 tapped for 1 to 2 ohms, 3 to 4  
 ohms, and 5 to 10 ohms. Direc-  
 tion sheet enclosed. Core ¾ x 1  
 in. Mtg. N. Weight 1 lb. 3 oz.

Hammond  
Filter Chokes

Type No.	Induct. Henrys	
153	10	1.10
154	10	1.25
155	30	1.80
156	60	2.25

## OUTPUT TRANSFORMERS—

119—PP 31, 71, 45 to Mag. Spkr.	\$1.80
120—Single 45, etc. to Mag.	1.80
121—Single 45, etc. to 6 ohms	1.80
122—PP 45, etc. to 6 ohms	1.80
123—Single Pentode to 6 ohms	1.80
124—PP Pentode to 6 ohms	1.80



## Feet Per Pound of Above Wire

## Plain Enamel Double Cotton

Size	126 ft.	125 ft.
Size 16	126 ft.	125 ft.
Size 18	201 ft.	192 ft.
Size 20	319 ft.	301 ft.
Size 22	506 ft.	469 ft.
Size 24	804 ft.	725 ft.
Size 26	1280 ft.	1117 ft.
Size 28	2027 ft.	1685 ft.
Size 30	3205 ft.	2643 ft.
Size 32	5087 ft.	3778 ft.
Size 34	8085 ft.	5493 ft.



## BELL WIRE

with a double  
 cotton insulation,  
 impregnated in paraffin.  
 ½ Lb. Coil. .70  
 25 Foot Coil .20



## Per Ft.

BATTERY AND  
SPEAKER CABLES

3 Conductor	.07
4 Conductor	.08
5 Conductor	.10
6 Conductor	.13
7 Conductor	.16
8 Conductor	.20
9 Conductor	.24

### LOW VOLTAGE, INSIDE FROSTED



15 Watt 6 Volt A-17...	.40
25 Watt 6 Volt A-19...	.40
50 Watt 6 Volt A-19...	.50
15 Watt 12 Volt A-17...	.40
25 Watt 12 Volt A-19...	.40
50 Watt 12 Volt A-19...	.50
15 Watt 32 Volt A-17...	.27
25 Watt 32 Volt A-19...	.30
50 Watt 32 Volt A-21...	.30
100 Watt 32 Volt A-23...	.50

### STANDARD, INSIDE FROSTED

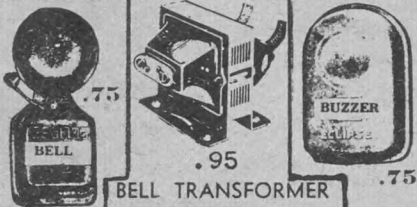
15 Watt 115 Volt A-17.....	.20
25 Watt 115 Volt A-19.....	.20
40 Watt 115 Volt A-19.....	.20
60 Watt 115 Volt A-21.....	.20
75 Watt 115 Volt A-21.....	.25
100 Watt 115 Volt A-23.....	.25
150 Watt 115 Volt PS-25.....	.30



### RUBBER GRIP CAP



Single Pole Switch. .42



BELL TRANSFORMER

Hydrometer for Storage Battery ..... .80

Hydrometer Floats ..... .20

### SHEET ALUMINUM

#16 Gauge, per sq. ft. \$1.10  
#14 Gauge, per sq. ft. 1.45

### TUBE AND COIL SHIELDS



### HEXAGONAL NUTS



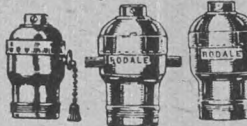
Price per 100	
4-36 x 1/4"	.55
6-32 x 1/4"	.55
8-32 x 1/4"	.55
6-32 x 5/16"	.70
8-32 x 5/16"	.70
10-32 x 5/16"	.70

### Double Flush Receptacle

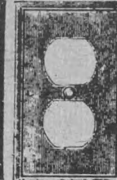
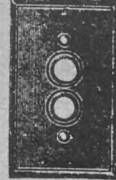


### BRASS SOCKETS

Pull ... .50  
Push ... .32  
Key ... .47



### WALL PLATES



### PLUG BASE Current Tap



### Bakelite Cap



### NEON GLOW LAMPS

1/4 Watt, 1.00  
1/2 Watt, 1.00  
1 Watt, 1.00  
2 Watt, 1.80



### PORCELAIN TUBES

Each... 2c  
2 1/2 x 5/16  
4 x 5/16  
6 x 5/16



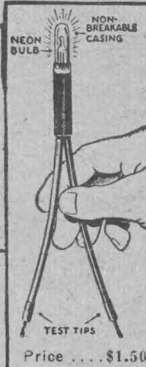
### PORCELAIN KNOBS

split .03  
solid .05



### TUNGAR BULBS

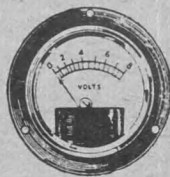
Cat. No.	Output Amp.	List Price
189048	6	\$ 8.00
189049	6	8.00
277465	2	6.00
195528	2	6.00
217283	15	16.00
289881	1	6.00



Price .... \$1.50

### READRITE PANEL METERS

D.C. Milliammeters



0-5	\$2.90
0-10	\$2.70
0-15	
0-25	
0-50	
0-100	1.50
0-150	
0-200	
D.C. Voltmeters 0-300	
0-10	
0-15	1.50
0-300	
0-20-0-100	2.70
0-15-150	

### -65-Watts

3.00

85 WATT. 4.50

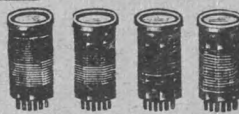
### -150-Watts

8.25



### SOLDERING IRONS

### S.W. PLUG-IN COILS



Efficient, well-designed S.W. coils. Wound on low-loss XP-53 forms. High frequency coil sec have heavy enameled copper wire. For use with 140 mmf. condenser.  
4 PRONG COILS: 17-270 METERS. Kit of 4, two-winding coils. \$2.94  
6 PRONG COILS: 17-270 METERS. Kit of 4, three-winding coils. \$3.95



### JUNIOR

4 prong 27c  
5 prong  
6 prong

### LARGE

4 prong 36c  
5 prong  
6 prong



### GLOVE FITTING

TUBE SHIELDS .30



VENTILATED 3 PIECE SHIELD 21c



### H & H TOGGLE SWITCHES



SP ST 5/8"	\$0.35
SP ST 1"	.40
DP ST 5/8"	.45
DP DT 5/8"	.55
SP DT 5/8"	.75

-Grid Bias Cell..... .35

-Single Cell Holder .15

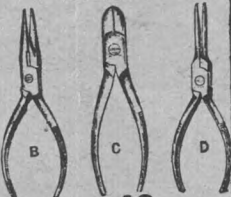
-Holder for 2 Cells.. .30

### BAKELITE COIL FORM RIM TYPE

Prongs 4 5 6 } .23



### PLIERS



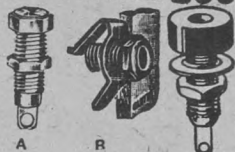
.40

### SOCKET WRENCH SET AND SCREWDRIVER

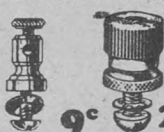
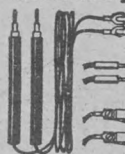


.55



**TIP JACKS 10c****INSULATED TYPE****Plain Solderless  
Phone Tip Plugs****Insulated****Standard  
Tip Plug ...2c****TWIN JACKS 19c****PHONE PLUGS 48c****MIDGET  
SHORT  
JACKS**Open Circuit, **29c**Single Closed **44c****PHONE JACKS**Open Circuit Jack **60c**  
Closed Circuit **88c**  
Double Circuit**ALLIGATOR CLIPS**Length **12c**  
2" **14c**  
2 3/4"**RUBBER  
INSULATED 21c****FRICTION TAPE****26c****FAHENSTOCK CLIPS****2c****SOLDERING LUGS****39c**PER  
PKGE.  
of 100**Plug Fuses**- 6 amp.  
- 10 amp.  
- 15 amp.  
- 20 amp.  
- 30 amp.**10c****FUSE CLIPS****3c****LITTELFUSES FOR RADIO**

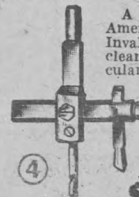
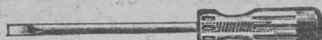
Amps.	V.
1	250
1 1/2	250
2	250
3	250

**10c****FUSE RETAINER**PRICE **14c**- 5 amps.  
- 10 amps.  
- 15 amps.  
- 20 amps.**8c****LITTELFUSE Auto Fuses****EBY JUNIOR  
Twin Post Units****44c****21c****METAL BINDING POST****9c****20c****Spring Clamp Binding  
Post****34c****18c****SWITCH  
POINTS AND  
STOPS**Solid brass. Heavy  
fly nickel-plated with  
1/4 in. x 6-32 nut.**2c****Amberlite  
Screwdrivers****.55****LUG  
SCREWS**For mounting shield cans, etc.  
Cadmium plated, 6-32 thread.**7c****ANGLE BRACKETS****5c****Laboratory Test Prods****88c****.88****.95**

4" long, 3/8" diam.

**SOLDERLESS TEST PRODS**5 1/2" long. **.38****NEUTRALIZING  
AND ALIGNING  
TOOLS**Insulated Hex Wrench. **29c**  
Fibre rod. Fits 1/4" nut.**38c**

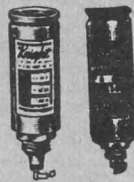
Cuts holes 1 to 5/8" dia.

**CIRCLE CUTTERS**A fine value in an  
American-made tool.  
Invaluable for cutting  
clean and accurate cir-  
cular holes.**\$4.70****"Grip" Screw Driver****.80**Has gripper which holds screw at  
any point on shank, releases after  
it is driven. Fine for tight places.**FIRM-GRIP SCREWDRIVERS****QUALITY SOCKET &  
CONDENSER PUNCHES**Punches clean round holes in sheet  
metal (chassis bases, panels, etc.).For 1 3/8" Holes. **\$3.35**  
For 1 1/2" Holes.**BATTERY  
TESTERS****98c****\$1.39****HAND  
DRILL**2" **59c**  
3" **72c**  
4" **85c**  
5"  
6"-Black, 1/4 pt. list price **50c**  
-Red, green, blue, yellow,  
brown, 1/8 pt. list price **67c****Crystalizing  
Laquer****"Decorates Metal  
and Wood"**This is a high grade Air  
Drying finishing lacquer  
that produces a fine profes-  
sional finish on any metal  
parts on which it is applied.

**WET ELECTROLYTICS**

Cap. Volt. Price

4	500v	\$0.80
6	"	.85
8	"	.95
10	"	1.10
12	"	1.15
16	"	1.35
18	"	1.40
20	"	1.50
30	"	1.80

**CAN TYPES****.00025 CAP  
MICA CONDENSER**

10¢

**Mica Condensers**Cap.  
Mfd.

.000025
.00004
.00005
.0001
.00015
.0002
.00025
.0004
.0005
.0005
.0005
.001
.0015
.002
.0025
.003
.004

12

25c

.005	.40
.006	
.008	
.01	.60



A

C

C

B

**BAKELITE MOULDED  
MICA PIGTAIL  
CONDENSERS**

Postage stamp size, can be connected in any part of the circuit as easily as a pigtail resistor.

Price

Cap.

.000025
.00003
.00004
.00005
.00007
.0001
.0002
.00025
.003
.0004
.0005
.001
.005
.005
.005
.005
.005
.005
.005

12¢

21c

**STANDARD PILOT  
LIGHT BRACKETS**

10¢



-Pilot Light Dial Socket, with Jewel ..... .25

-Glass Jewels, each ..... .15

**AMPHENOL TUBE SOCKETS**

4 Prong....	.15
5 Prong....	.15
6 Prong....	.15
7 Prong....	.20
8 Prong....	.25

**CLIP-TITE SOCKETS "MIP" SOCKETS****4-5-6-7 PRONG  
WAFFER-SOCKETS**

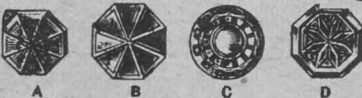
10¢

**8 PRONG OCTAL**

15c

**BASE  
MOUNT  
SOCKETS**

Prongs	
4	.43¢
5	
6	.59¢
7	
7M	
8 Octal	

**BAKELITE KNOBS 15¢****WOOD KNOBS 15¢****MODERNISTIC TYPES 17¢****EBY SOCKETS****BAKELITE TYPE**

1 Prongs	
4	.49¢
5	
6	.59¢
5 and 6	
7M & 7S	
7M (.865)	
8 Octal	

**LEVER KNOB**

A handsome instrument knob. 3/4" shaft. Push-on type.

17¢

**BAR KNOBS**

18¢

**KURZ-KASCH Dials**

Made of molded Bakelite. Requires only one hole for condenser shaft and two small holes to secure dial to panel. Dial ratio 8 to 1. No backlash. Fits 3/4" shaft. \*Indicates for counter-clockwise rotation. Others clockwise.

Calib.

3"

78¢

0-100-0

**Vernier Dial**

Black Bakelite shell, 4" diam. Ratio variable from 6:1 to 20:1.

\$2.94

**ETCHED DIAL PLATES**

25c

**TOGGLE  
SWITCH  
PLATE**

9c

**METAL DIAL PLATES**  
2 3/4" high x 1 1/4"

29c

**GRID  
CAPS**

2c

Type B is for metal tubes.

**3 1/4" Modern Airplane Dial**

Ratio 10:1 in 360°. With 2 dial-lite sockets. For use with both 3/8" and 1/4" condenser shafts. No necessity for special cabinet cutout—will fit standard 3 1/4" opening. With escutcheon.

\$1.98

**JACK MARKERS**

"Phones."  
"Microphone."  
"Mike Cur."  
"Phonograph."  
"Plate Cur."  
"Grid Cur."

15c

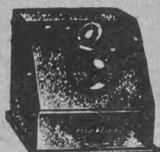
**SWITCH PLATES.**

15c

**METAL TUBE GRID  
CAP SHIELD**

14c



**The "Blackbird"—Cabinet Model**

Here is a real receiver. Housed in a crystalline finished metal cabinet, it uses a super-sensitive crystal mounted under a dust-proof glass cover. Needs no tubes, batteries or power. Has 4 posts for phones, aerial and ground—connect them up and the stations roll in loud and clear. Complete with crystal. Shpg. wt. 3 lbs. **\$3.82**

**PHILMORE CRYSTAL RADIO RECEIVERS****The "De Luxe"—Fixed Crystal**

No need to fuss with a crystal with this set. Just connect earphones (there is provision for two headsets), aerial and ground and tune in. No batteries, no plugging in. Housed in a genuine Bakelite cabinet 6 1/2" high, 5 1/2" wide, 2 1/2" deep. The crystal detector is fixed and ultra-sensitive. With Bakelite knob and pointer and calibrated dial. Covers broadcast range. Shpg. wt. 2 lbs.

**\$3.45**

Ultra-sensitive

**CARRON MIDGET**

Midget model crystal radio set built into a sturdy solid walnut cabinet. Average reception range covers about 25 mile area. Has spring action locator and station selector knob. Complete with special earphone and roll of ground wire. 4 1/2" x 3 1/2" x 2 1/4". Wt. 3 lbs.

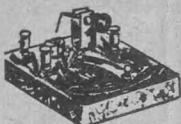
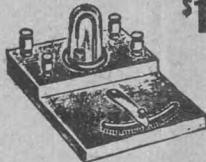
Complete with Accessories. **\$3.95**

NET.....

Set Only. **2.50****CARRON JUNIOR**

Larger size of the above crystal set with same working characteristics and average range. Attractive solid walnut cabinet. With spring action locator and easy-to-adjust crystal.

Supplied with earphone on metal head band and roll of ground wire. 5 1/2" x 4 1/2" x 3 3/4". Wt. 5 lbs. Complete with Accessories. Set Only.

**4.80 3.90****The "LITTLE WONDER"****88"****THE "SUPERTONE"****\$1.18****BRANDES Headphones**

2000 ohms resistance. Adjustable headband. Wt. 2 lbs.

**CAPS AND DIAPHRAGMS**

1. CAPS. PRICE, EACH.....**.37**  
2. DIAPHRAGMS. PRICE, EACH.....**14¢**

-Headphone Cords with Tips or Lugs.....**.50**

**GLASS ENCLOSED DETECTOR****.47****PHONE CUSHIONS**

Sponge rubber.



Per Pair

**.48****AMERICAN BELL 'PHONES**

WITH BAKELITE CAPS 3000 OHMS **3.23**

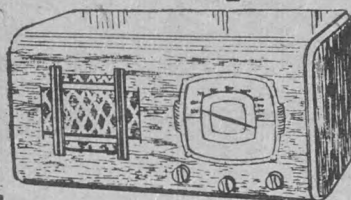
**Brush Crystal Phones****\$10.77**

Range 60 to 10,000 c.p.s. High impedance. Molded brown cases sealed to insure against tampering.

**TRIMM Featherweight Phones**

One of the finest sets ever designed. Weight only 4 oz., with band and cord. Bakeliteshell and cap, forged cobalt steel magnets. Adjustable spring steel band.

4000 ohms **11.50**  
24,000 ohms

**Attention Battery Set Builders!****6-Tube 1 1/2-Volt Super**

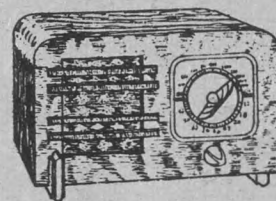
6-tube 1 1/2-volt

Kit Complete,

less battery

**\$17.64**

- 6 latest 1 1/2-volt tubes, 1A7G, 1N5G, 1H5G, 3-1G4G
- Superhet circuit with automatic volume control
- 6 1/2" no drain permanent dynamic speaker
- 6" vernier airplane dial
- Beautiful walnut finished laydown cabinet, holds 1000 hour battery pack, completely concealed

**4-Tube 1 1/2-Volt Super**

1 1/2-volt Kit  
Complete, less battery

**\$14.70**

- Latest type 1 1/2-volt tubes: Types: 1A7G, 1N5G, 1H5G, 1C5G.
- Latest superhet circuit
- Automatic volume control
- Iron core I.F. coil
- Attractive laydown walnut finished cabinet
- 5" permanent magnet no drain dynamic speaker
- Covers the broadcast band 550 to 1700 K. C.

one dry cell and 2 standard 45-volt B batteries.

**PHILMORE ONE-TUBE BATTERY SET**

Type 30 tube used



-Less tubes and batteries

- 1 Tube Battery Kit **2.50**  
2 Tube Battery Kit **3.00**  
2 Tube AC-DC Kit **3.75**  
4 extra coils (14-240 meters) **1.47**

**Fixed Crystal Detector in Bakelite Case**

Supersensitive point found by meters and fixed permanently. In Bakelite

**73¢**

**METER TESTED CRYSTAL** **24¢**

These crystals are tested in laboratory on very sensitive meters.

**SENSITIVE MOUNTED CRYSTAL****15¢****DETECTOR STAND WITH TESTED CRYSTAL****25****Cat Whiskers**Each. **5¢****Kits at Lowest Prices!**

**Courses of Self-Instruction**  
Prepared by That World-Famous Authority,  
**ALFRED A. GHIRARDI**

**\$4.90**

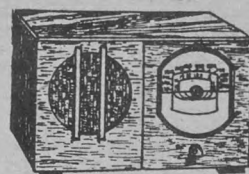


**36 VOLUMES IN ONE**

Radio Electricity and Sound Complete. Plus Many Other Valuable Special Features are covered in these 36 big Chapter-Sections. 972 Pages. 508 Schematic Diagrams, Charts and Photos. 856 Review Questions.

1. Radio Broadcasting System.
2. Sound, Speech, and Music as Related to Broadcasting.
3. Electron Theory, Electric Current.
4. Electrical Units, Ohm's Law, Resistance.
5. Electrical Circuits, Batteries.
6. Magnetism.
7. Electromagnetism.
8. Electromagnetic Induction.
9. Inductance and Inductors.
10. Capacitance and Condensers.
11. Alternating Current Circuits.
12. Electric Filters.
13. Electrical Measuring Instruments.
14. Electromagnetic Radiations.
15. Radio Transmission, the Broadcasting System.
16. The Receiving Station, Detection with Crystals.
17. Elementary Study of the Vacuum Tube.
18. Vacuum Tube Characteristics.
19. Construction Features of Vacuum Tubes.
20. Vacuum Tube Detector and Amplifier Action.
21. Radio Frequency Amplification.
22. Superheterodyne Receivers.
23. Design of R.F. Amplifiers and Tuning Coils.
24. Audio Amplification.
25. Loud Speakers.
26. The Battery Operated Receiver.
27. The Power Supply Unit.
28. Electric Receivers.
29. Automobile and Aircraft Receivers.
30. Phonograph Pickups and Public Address Systems.
31. Short Wave Reception.
32. Vacuum Tube Applications and Photoelectric Cells.
33. Television.
34. The Antenna and Ground.
35. Testing and Servicing.
36. Sound Motion Pictures, Charts, Tables, etc.

**972 PAGES**



- Complete with 5 late-style tubes: 25Z6G, 25L6G, 6K7G, 6J7G, K55B.
- 2-gang condenser.
- Dynamic speaker.
- High gain TRF coils.

- Simplest to wire.
- Attractive Walnut finished cabinet.
- Covers the broadcast band 550 to 1600 K. C.
- Get distant stations.

**CONSTRUCTION BLUEPRINTS**

The leading new Popular Mechanics sets are clearly described on 17" x 22" blueprints. Include schematic and pictorial diagrams, essential construction data, and matched lists of parts. Simplify build-your-own problems by using these blueprints.

Beginner's 1 Tube A.C.-D.C. Phantom Record Player.  
4 Tube Bantam Set.  
Beginner's 3 Unit Set.  
Little Giant Phono-Radio.  
Tube Tester.  
Photo-Cell Relay.  
Economy 9 Receiver.  
All-Purpose Power Supply.  
6 Volt Electric Fence Control.  
Three Progressive Sets.  
Two Tube Portable.  
Metal and Ore Locator.  
Portable P.A. Amplifier.

**Each.  
.45**



Complete construction information on 50 most popular S.W. receivers and transmitters featured recently in "Radio and Television." Average size, 11"x17". Each project includes wiring diagram, illustrations, and list of parts.

Switch-Band-2 Receiver.  
Beginner's 2 Tube Receiver.  
Portable Superhet Four.  
4 Band, 3 Tube Superhet.  
5 Tube Superhet for Ham and Fan.  
Short-Wave Preset.  
Regenerative 2 Tuber.  
S.W. & T. Communications Set.  
Band Switching 2 Volt Set.  
Multi-Band 2 Receiver.  
V.S. 5 Metal Tube Superhet.  
Beginner's 2 Tube Super.  
Inexpensive "Forty-Niner."  
2-Volt Super DX-4.  
High Gain, Metal-Tube Set.  
World-Wide 10-Meter Converter.  
3-Tube Battery S.W. Set.  
Brief-Case S.W. Receiver.  
Pocket Short-Wave Receiver.  
Cigar-Box 1-Tube "Catch-All."  
"Dual Wave" S.W. Battery Set.  
1-Tube "53" Twinplex Receiver.

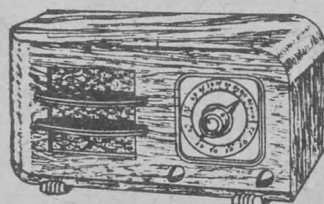
**Each.  
.20**

**for 110-volt, AC-DC operation**

**5-Tube TRF Kit-**

**\$15.22**

**110-Volt AC Kit**



- 2 1/2 Bands
- 19 meters to 49 meters
- 6 1/2" speaker
- Heavy duty power transformer
- Coast-to-coast reception
- 5 late-style tubes: 6F6G, 5Y3G, 6Q7G, 6K7G, 6A8G.
- Latest superhet circuit
- Automatic volume control
- Tone control

a 2 1/2-band 5-tube 110-volt AC Superheterodyne. Every part furnished including diagram. Beautiful walnut cabinet highly finished. Late style 6-volt tubes. Heavy duty dynamic speaker, Vernier dial. This set when properly wired and balanced according to the diagram will get police, amateur, aircraft and some foreign stations. besides the broadcast band from 550 to 1700 cycles.

**\$17.96**

**5-Tube 110-Volt AC Kit-**

The Instructograph is a scientifically constructed machine that sends telegraphic characters perfectly at any desired speed.

By so doing it literally takes the place of an operator-instructor, and enables anyone to learn either the Morse or Continental codes without any further assistance.

The "Junior" Model of the Instructograph, similar in appearance to the "Standard" Machine, only a little smaller, with five tapes and the book of instructions **\$24.70**





# WINCHARGER

11

The ideal unit to serve as a small, economical lighting plant. When properly installed in a good wind area will furnish 15 to 18 lights for the home, yard and barn, with power to spare for operating a radio, electric fan, shaver, and other 6-volt appliances. Recommended for small to medium size farms, cottages, roadside inns, filling stations, cabins, and for a radio charger and several lights in areas of low wind velocity where regular chargers do not operate satisfactorily.



**INSULATED INSTRUMENT PANEL**—Completely wired. Connections marked for light and battery wires. Automatic relay. Ammeter shows amount of charge or discharge.

## 6 VOLT



"NORMAL" "GOVERNING"  
**AIR-BRAKE GOVERNOR**



### STARTS CHARGING IN A 5½-MILE BREEZE

All around performance that can't be equalled in the 6-volt lighting field. Starts charging in a 5½-mile breeze with an output of 25 amperes in a wind velocity of 19 miles per hour. Has 2½ times the watt-hour output of ordinary radio chargers. Permits the use of a heavier electrical load over a longer period of time.

**7½ FOOT PROPELLER.** Built on the famous Albers Air-Foil principle. Made from selected vertical grain Douglas Fir. Machine made . . . perfectly balanced. Copper-armored leading edges and copper-banded tips. Protected by three coats of weather proof varnish.

**200 WATT GENERATOR** . . . Air cooled . . . bearings grease sealed. 7½" frame diameter.

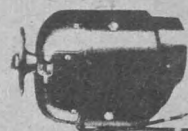
**ENCLOSED COLLECTOR RING** . . . Provides complete protection against dust, frost and ice. Equipped with double carbon brushes.

**NO RADIO INTERFERENCE** . . . Condensers on generator and special ground spring inside generator eliminate radio interference.

**CHOICE OF MOUNTING** . . . Unit is equipped with special 10 foot, four leg self-supporting tower or may be obtained with (1) 3 leg stub tower to fit on to Wincharger Sectional Steel or Self-Supporting tower (2) windmill tower adapter to fit any standard 3 or 4 leg windmill tower.

**DELUXE 6 and 12 volt - 125 Watt**  
With 5 foot tower.....\$34.95  
With 10 foot tower..... \$38.45

**HEAVY DUTY 6 and 12 volt - 240 Watt**  
with 10 foot tower or 5 ft.  
stub tower..... \$67.50



Winchargers New  
Heavy Duty  
6-Volt Generator



Ordinary  
Heavy Duty  
6-Volt Generator

Also available in  
12-volt Heavy-  
Duty capacity.

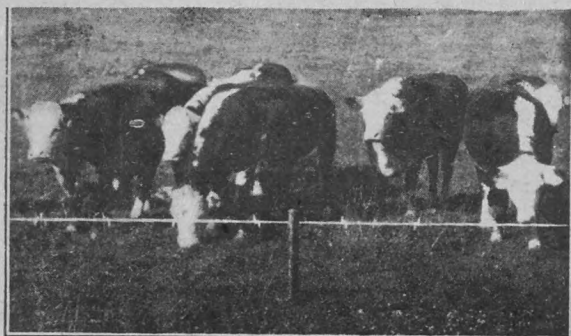
COMES COMPLETE WITH 10 FOOT 4 LEG SELF-SUPPORTING TOWER

**NOTE --** Above prices apply for farm use only. Before we can ship we must have a signed statement that the plant you are purchasing is to be used on a farm. Give farm address, section, township, & range. If not for farm use, add \$2.50 for Deluxe and \$5.00 for Heavy Duty. (Government Tariff Law.)

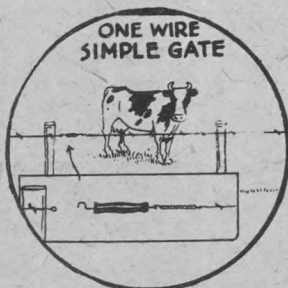
FENCING ALL KINDS OF LIVE STOCK

*Super***WET AND DRY SOIL****The Only Complete****with****COMPENSATING****ELECTRIC FENCE****ELECTRO-BREAKER****NO  
MORE**

*Expensive gates  
Broken down fences  
Stock breaking out  
Hard work fencing  
Wire cuts*

**PROTECTS STOCK AGAINST LIGHTNING**

**ONLY A SINGLE WIRE NEEDED  
SPEND LESS . . . GET MORE  
A SIMPLE HOOK IS YOUR GATE**

**JUST USE STAKES**

IT'S EASY TO FENCE WHEN YOU USE THE

**Super Electric Way**

YOUR FENCING DONE IN A FEW HOURS

**Ideal For Permanent Or Temporary Fencing****DOZENS OF USES****SUPER DE LUXE 6-VOLT CONTROLLER**

The same features are incorporated in the DeLux as in the Standard. Absolutely automatic—safe and effective in all weather conditions. Approved for outside and inside installation and built to meet all state regulations. Dry and Wet soil compensating synchronized Electro Breaker.

**Added Features in the Super De Luxe Model**

1. **ELECTRIC EYE**—The Super DeLux is equipped with a constant flashing light that indicates your Controller and fence are operating effectively. You do not have to listen to the Controller to know it is working. The **ELECTRIC EYE** automatically tells you at a glance that your Controller and fence are working properly.
2. **CURRENT ECONOMIZING SWITCH**—In order to be effective at all times in dry and wet weather, an electric fence Controller must carry a high voltage. However, 75% of the time when weather conditions are not dry, it is not necessary to carry a high voltage. Therefore, don't waste current when you don't need it. Conserve your battery current by simply turning the Current Economizing Switch "On" or "Off" as the occasion demands, and you have the necessary current needed to operate your Electric Fence economically and efficiently at all times.
3. **BEAUTIFUL IN APPEARANCE**—The Super DeLux Controller is streamlined with a beautifully colored crackle finish. It is manufactured from heavy lead-coated steel made from special dies. Its lead-coated material will give the Super DeLux Controller longer durability than those made from ordinary black sheet metal.
4. **SELF-CONTAINED**—The Super DeLux is the finest 6-Volt Electric Fencer obtainable, with a built-in battery compartment.

The Super DeLux Electric Fence Controller is the most modern, most economical, most dependable and safest Electric Fence Controller that money can buy.

**THE SUPER DE LUXE COMPLETE INCLUDES**

Built-in lightning arrester, sufficient amount of approved cable for battery connection, and wire for fence connection, ground clamp, and complete setting up and operating instructions. Shipping weight 16 lbs.

**All for****\$24<sup>95</sup>****5 YEAR GUARANTEE**



### KWICK KLIP—FOR ELECTRIC FENCING

The Quickest, Easiest and Best Way of Fastening  
Fence Wire to Insulators

No. E81. Holds fence wire on insulators far better than tie wire, and yet, easy and quick to put on or take off without the aid of tools. Ideal for temporary or permanent electric fences.

No excess wire with loose ends to cause leaks or shorts. Made of heavy galvanized spring steel wire. Use Kwick Clips over and over. Will last for years. Fits any standard line post insulator. Packed 100 clips in carton. Weight per carton about 2 oz.



SELLING PRICE Per Carton **95¢**

### PORCELAIN CORNER INSULATOR FOR ELECTRIC FENCE.

No. E83. Built to stand the required high strain, and all surfaces are well rounded to distribute the strain where the wire fastens around. Weight each 3 ounces.

SELLING PRICE **5¢**



### KWICK GATE FOR ELECTRIC FENCE



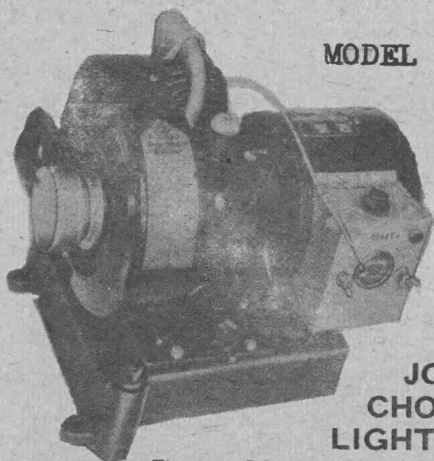
No. E84. Consists of handle with hook and a separate spring. The wood handle provides sufficient insulation to avoid shocks when opening or closing the gate. Hook is secured in handle so it does not turn. Hook and spring are cadmium plated and wood handle is enameled to resist weather. Weight each 6 oz.

SELLING PRICE **69¢**

### PORCELAIN ELECTRIC FENCE INSULATOR



High-grade knob type glazed porcelain insulators for insulating electric wire from fence posts in Fence Controller systems. 100 FOR **\$1.81**



MODEL CH1

### JOHNSON CHORE HORSE LIGHTING PLANTS

The new Johnson Chore-Horse plants offer all that could be desired in small lighting plants. A new low speed, 1,725 RPM, 4 cycle engine assures trouble free operation. A new direct drive principle is also used. Several models, including combination AC-DC are now available. Push-button starter on all models. Full description booklet sent on request.

### MIDGET PORCELAIN KNIFE SWITCHES



Type	
S.P.S.T.	.25
S.P.D.T.	.28
D.P.S.T.	.50
D.P.D.T.	.56

### CENTER-TAPPED RESISTORS



Ohms
20
40
60
6
10
15
100
200
400

**21¢**

### MIDGETS



Open construction provides maximum heat radiation. Dissipate 3 watts.

### POTENTIOMETERS

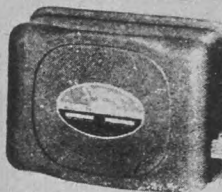
Ohms
6
10
15
20
200
400
500
1000
1500

### RHEOSTATS

Ohms
1/2
1
2
3
10
15
20
25
30
40
50
75

**.45**

### SUPER STANDARD 6-VOLT CONTROLLER



Approved for outside and inside installation and built to meet all state regulations.

Absolutely Automatic—safe and effective in all weather—the Super Standard has been rigidly tested under the most adverse conditions both wet and dry.

#### Reasons for Super Standard's Superiority in the Electric Fencing Field

1. EFFICIENT—The only complete Electric Fence with Dry and Wet Soil Compensating Synchronized Electro-Breaker.
2. POWERFUL—Charges up to thirty miles of fence.
3. STURDY—The cabinet is made of heavy lead-coated steel, manufactured with special dies. All parts fit perfectly, making it entirely dust-proof and weather-proof and eliminating the use of short-lived rubber gaskets.
4. ECONOMICAL—Fresh Dry batteries or a Storage battery will operate a Controller from four to six months.
5. SAFE—Engineered for absolute safety.
6. SIMPLE—Only two moving parts.
7. NO DISTURBANCE—Controller will not create radio or telephone interference.
8. WEATHER-PROOF—Die made containers are weather-proof and dust-proof.
9. RUST-PROOF—All metal parts are specially plated insuring against rust and corrosion in all weather conditions.
10. SECURE—Built-in lightning arrester.

The Super Standard 6-Volt Controller meets the demand of the farmer who wishes economy and who appreciates absolute satisfaction.

#### SUPER STANDARD COMPLETE INCLUDES

A Portable Neon Tester. The fence may be tested anywhere along the fence line when repairing without returning to the Controller. Built in lightning arrester. A ground clamp and sufficient connection wire. A booklet of complete setting-up and operating instructions. Shipping weight 12 lbs.

All for **\$19<sup>95</sup>**

### JOHNSON CHORE HORSE POWER AND LIGHT PLANTS

#### JOHNSON WATER PUMP

#### JOHNSON IRON HORSE ENGINES

Iron Horse Engine, 5/8 H.P.	\$ 42.00
Iron Horse Engine, 1.34 H.P.	57.50
Iron Horse Marine Engine, 1.34 H.P.	75.00
Model CH1 12 volt, 300 watt, D.C., Chore Horse.	84.50
Model CH27 Combination 110 volt, 450 watt, A.C., and 6 volt, 200 watt, D.C., Chore Horse.	115.00
Model CH52 Combination 110 volt, 450 watt, A.C., and 32 volt, 350 watt, D.C., Chore Horse	125.00
Model E.G.800, 32 volt, 800 watt D.C.	215.00
Johnson Water Pump and base only.	26.00
Johnson Iron Horse and Water Pump, Model 503, complete.	68.00
Johnson Water Pump can be supplied on any of the Johnson Chore Horse Models at a Price of \$26.00 Extra.	

## RADIO CITY PRODUCTS TEST EQUIPMENT

### MODEL 432 TROUBLE SHOOTER \$12.35

Here is the lowest price "legitimate" tester on the market, yet quality has not been sacrificed to achieve economy. Pocket size  $5\frac{7}{8} \times 3 \times 2$ ". Weight 24 ounces.

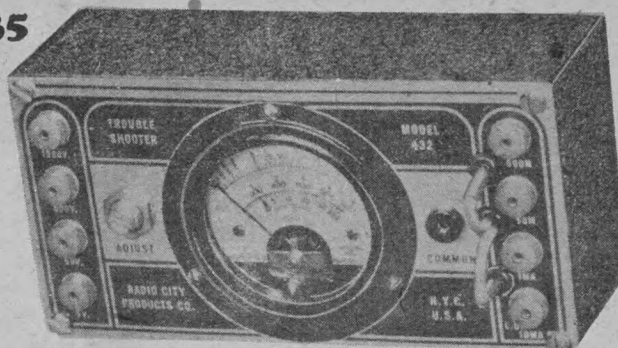
Multi scale D'Arsonval meter 0-1 mil, accurate within 2%. Has individual low ohm scale as on costlier instruments.

D.C. Volts 0-5/0-50/0-500/0-1000 at 1000 ohm per volt sensitivity

D.C. Milliampers 0-1/0-10

Ohms 0-500/0-50,000/0-500,000

Self contained batteries for all ohmmeter ranges. Test probes not required for balancing ohmmeter ranges. Meter has zero adjust (necessary on all volt-ohm-milliammeter) in addition to circuit zero adjust. Low range has each of first 5 divisions reading as low as 0.2 ohm.



### MODEL 456 UNIVERSAL TROUBLE TRACER

Model 456 is the "tops" in a fine miniature AC-DC voltmeter, ohmmeter, milliammeter and d.b. meter. It is most attractive in appearance, having a finely finished hard wood case

D'Arsonval meter—accuracy guaranteed within 2%. Special ohmmeter shorting switch—no fussing around with leads or jumpers. Movement is 1 Milliampere or 1000 ohms per volt. Self contained batteries for all ohmmeter ranges.

Model 456P same as Model 456 except in portable hinged cover case of solid walnut hand rubbed. \$17.64



DC volts 0/5/50/500/1000

AC volts 0/5/50/500/1000

DC Milliamp 0/1/10

Ohms 0/5000/500,000

D.B. -12 to +8/8-28/28-48/34-54

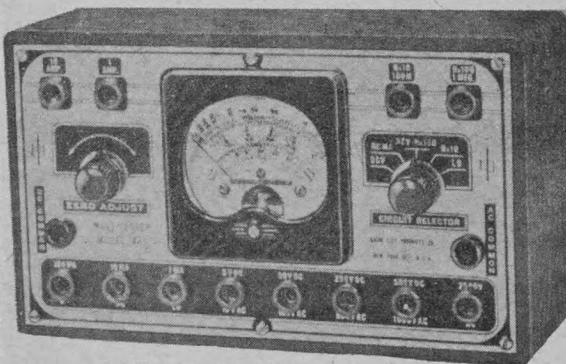
Size 6"x3"x2 $\frac{3}{8}$ ". Weight 21 ounces.

\$16.15

### MODEL 445 AC DC MULTITESTER

A unique general test instrument where appearance, performance and quality of materials and construction put it in a class with other makes of testers selling for double the price.

1. Bakelite case, 3 inch square D'Arsonval Meter, accurate within 2 per cent.
2. Five Range D.C. voltmeter 0/5/50/250/500/2500
3. Four Range D.C. milliammeter 0/1/10/100/1000
4. D.C. Ammeter 0/10
5. Four Range A.C. voltmeter 0/10/100/500/1000
6. Three Range ohmmeter 0/500/100,000/1 Meg
7. Low range ohmmeter is low current drain back up type reading as low as 0.1 ohm. Center of scale reads only 10 ohms. Ideal for measuring voice coils, locating shorted turns, poor contacts, etc.
8. Four decibel ranges -8 to +15/12 to 35/26 to 49/32 to 55.



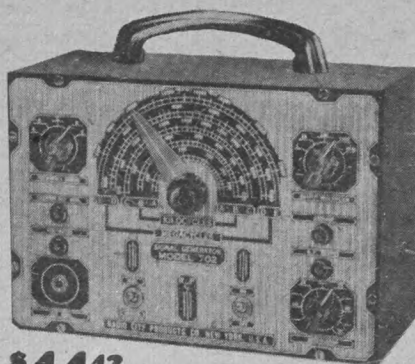
\$23.52

9. Four output ranges—same as AC volts.
  10. Here is the equivalent of 25 different instruments in a single case complete with batteries.
  11. Convenient selector switch operation, attractive panel case and multicolored dial.
  12. Meter sensitivity 1 Milliampere or 1000 ohms per volt.
- MODEL 445—Size 3"x8 $\frac{1}{2}$ "x5". Weight 2 lbs.

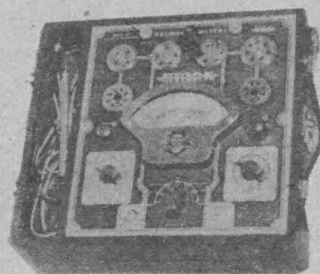


## MODEL 702 SIGNAL GENERATOR

1. This fine instrument embodies all of the very latest improvements in circuit and mechanical design.
2. An extremely wide all wave coverage continuously variable from 95 kilocycles to 100 megacycles. Five fundamental bands include 95KC to 25MC.
3. Accurately calibrated and direct reading. No charts or tables are required. This provides close and accurate tuning as well as clear legibility.
4. Tuning is accomplished either directly or by a 5 to 1 ratio planetary drive. The latter is particularly desirable for spotting I.F. positions correctly.
5. Output can be modulated or unmodulated at will. 30% modulation at 400 cycles, sine wave from self-contained independent, 400 cycle circuit. This 400 cycle supply is available for external use, 6 volt maximum. Provision for applying external source of modulation. Can be used with outside sweep circuit and wobulator for all oscillographic wave analysis.
6. Excellent shielding by leaded steel case and chassis. Leakage eliminated by separate shielding of coil assembly, attenuator and RF circuits. Size 8" x 11 $\frac{3}{4}$ " x 5".
7. Attenuation in approximate microvolts by five step ladder attenuator, 1 to 500,000. Permits relative sensitivity measurements.
8. Automatic shorting of all coils not in use prevent dead spots, etc.
9. Supply is thoroughly filtered and power transformer is electrostatically shielded, eliminates feedback through power line.
10. Supply is double fused—**instantly replaceable**.
11. Highly attractive professional appearance AC operated.



**\$44.42**



## MODEL 801A COMBINATION TUBE TESTER and PLUG IN SET ANALYZER

This instrument is the combination of two complete individual instruments—the 801 combination tube and set tester with the 505 plug in analyzer unit, built into the cover. The overall size is exactly the same as for the 801. **\$68<sup>55</sup>**

## STARK BATTERY OPERATED TUBE TESTER

**\$44.42**

Batteries **\$3.09**

## MODEL 801 TUBE and SET TESTER

A fine instrument providing background for radio service business. Ultra modern tube tester and comprehensive set tester at a price not possible for two individual testers.

Compact, light slip hinge cover. Panel—in frosted silver, black and maroon.

ALNICO MAGNET 4 $\frac{1}{2}$ ", D'Arsonval meter 2% accuracy. (Alnico is used in finest and most sensitive meters.) Three color multiple scales.

Meter protected by METER FUSE. Instrument protected by double line fuses instantly replaceable.

Unique AC voltage measurements have linear scales to coincide with DC. Other instruments use copper oxide rectifiers with large frequency and temperature errors. Our rectification is more economical to replace and practically eliminates these errors.

Includes decibel measurements and condenser leakage tests. Power supply, self contained. Complete with test leads, ready to use.

1. Tube Tester tests all new and old tubes, provides for heater or filament voltages up to full line voltage. Tests all ballast tubes.
2. Tests at standard R.M.A. plate voltages and loads.
3. Hot interelement short and leakage tests for individual elements.
4. Individual section tests of multi-purpose tubes, etc.
5. Line voltage regulation 103 to 135 volts, meter indication.
6. Noise test for tubes which otherwise test good.

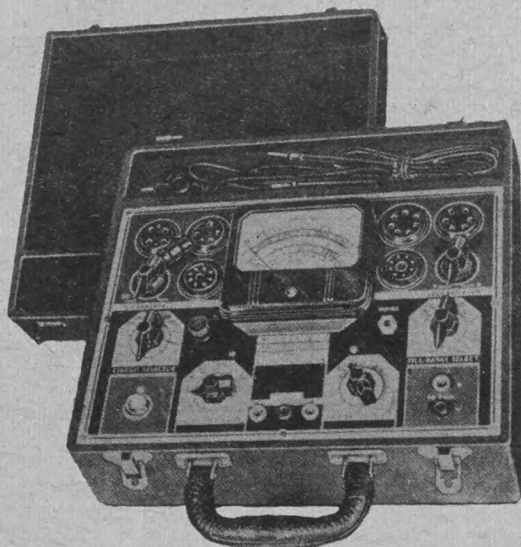
### MULTITESTER PROVIDES:

7. DC voltmeter 0/10/50/500/1000 at 1000 ohms per volt.
8. Four Range AC voltmeter 0/10/50/500/1000.
9. DC milliammeter 0/1/10/100/1000. DC Ammeter 0/10.
10. Ohmmeter 0/500/5000/1,000,000/10,000,000. Low ohm center scale 5 ohms and each of first ten divisions 0.1 ohm.
11. D.B. Meter —8 +15/15 to 29/29 to 49/32 to 55 decibels.
12. Four Range Output Meter—same as AC volts.

Size 12x12 $\frac{1}{2}$ x6 inches.

Weight 9 $\frac{1}{2}$  lbs.

**\$49.75**



## ANALYZER UNIT

A multiple selector circuit system when used with any suitable multi-meter makes a comprehensive free point, free reference system, set tester. Provides for metering at all socket terminals for current, voltage, resistance and capacity. Permits tube testing from radio receiver chassis. Socket terminal numbers are clearly etched into the panel, standard R.M.A. numbering. Future requirements are provided for by 10 wire cable including a spare and also a spare terminal at the panel. Can easily be mounted in the cover of any instrument—total depth required including below and above panel  $1\frac{5}{8}$ ". Panel dimensions:  $5\frac{5}{8} \times 7\frac{1}{2}$  inches. Complete with latest design toggle latch, bakelite plug and 7 latch lock adapters. **\*21.76**

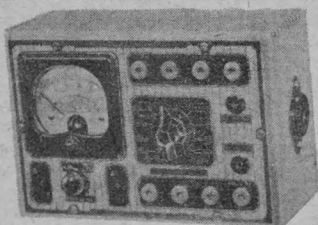
MODEL 411  
SUPRETESTER**\*29.35**

Particularly ideal for the Serviceman—contains the equivalent of 33 individual instruments in one compact case. Just the job for television. Measurements of 5,000 volts, 4 microamps, etc., make the Model 411 just the meter for television work.

Some of the unusual features of this instrument

1. 5 stage, high AC-DC voltage range to 5,000 volts.
2. High voltage not applied to selector switch nor to general test circuits. New design all bakelite body jacks are used.
3. 3 stage, high AC-DC current range to 25 amps.
4. 3-inch square meter with movement of 200 microamperes or 5,000 ohms per volt.
5. DC Volts 0/10/100/250/1000/5000.
6. DC Amps 0/1/10/25.
7. DC Milliamps 0/10/100.
8. DC Microamps 0-200.
9. Center of scale, on low ohm-meter range, only 5 ohms with each of first ten divisions measuring 0.1 ohm.
10. 3 stage easy reading, high ohm-meter range up to 4,000,000 ohms.
11. AC Volts 0/10/100/250/1000/5000.
12. AC Amps 0/2.5/5/25.
13. AC Milliamps 0/500.
14. db meter from -10 to +69 in 5 stages.
15. Output meter same as AC volts.

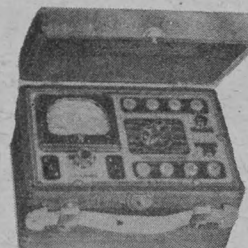
Natural finish wood case  $7\frac{7}{8} \times 5\frac{1}{2} \times 3\frac{1}{2}$ ". Weight 2 lbs. 3 oz. Model 411 complete with bat teries.



Model 411B—Same as Model 411 with additional provision for speedy testing of all ballast tubes with octal bases. **\*33.80**

Model 411BP—Same as 411B except in portable, piano finish, hinged cover, solid walnut case. **\*35.77**

Model 411P—Same as 411 except in piano finish, portable, hinged cover, solid walnut case. **\*33.80**



## Electrical &amp; Radio Supply Center

Syndicate Building  
222 Portage Ave.

Winnipeg, Manitoba